

[illegible]

## **ABSTRACT OF THE DISCLOSURE**

# Systems and methods for automatic provisioning of topology for SONET

5 networks are disclosed. The method for topology provisioning generally includes mapping the network topology based on network connection information, verifying that the network elements complete a ring formation, obtaining protection scheme information, and automatically provisioning time-division multiplexing group (TDMG) and/or facility fault protection (FFP) depending upon the protection mechanism.